

TYPE 10GA & M10GA

DESCRIPTION

auto-klean® 10GA self-cleaning filters are of all-metal plate-type construction and operate on the edge-filtration principle. The filter is cleaned without interrupting the flow of liquid by one complete turn of the handle attached to the element spindle. This action deposits all the solids accumulated around the element into the filter sump. A magnetic insert can be incorporated in the sump drain plug to give additional protection against ferrous particles. A mounting bracket is supplied as a standard fitting with these filters.

APPLICATIONS All grades of oils and distillates, chemicals, beverages, food products, paints, resins greases, pulp and industrial liquids of every kind.

ELEMENTS

Diameter - 38mm (1½")

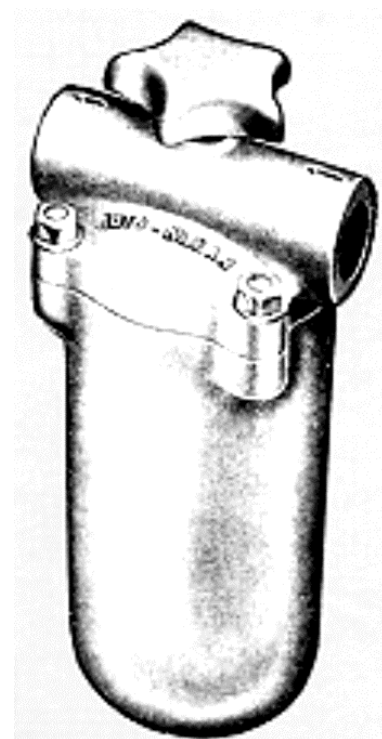
Length - 95mm (3¾") nett.

Mesh - 025mm (.001") .038mm (.0015") .076mm (.003")
.127mm (.005") .203mm (.008") .254mm (.010")
.381mm (.015") .508mm (.020")

CONNECTIONS 1" B.S.P.

PRESSURE Maximum Working 8.79 Kg/cm²
(125 lb/in²) Test 17.58 Kg/cm²
(250 lb/in²)

Models suitable for operation at higher pressures are available if required.



MATERIALS Standard Cover & Sump Aluminum Alloy

Internals Mild Steel & Brass

Special Internals - Stainless Steel

SUMP CAPACITY 230cm³ (14in³)

WEIGHT 2.5 Kg (5½lb)

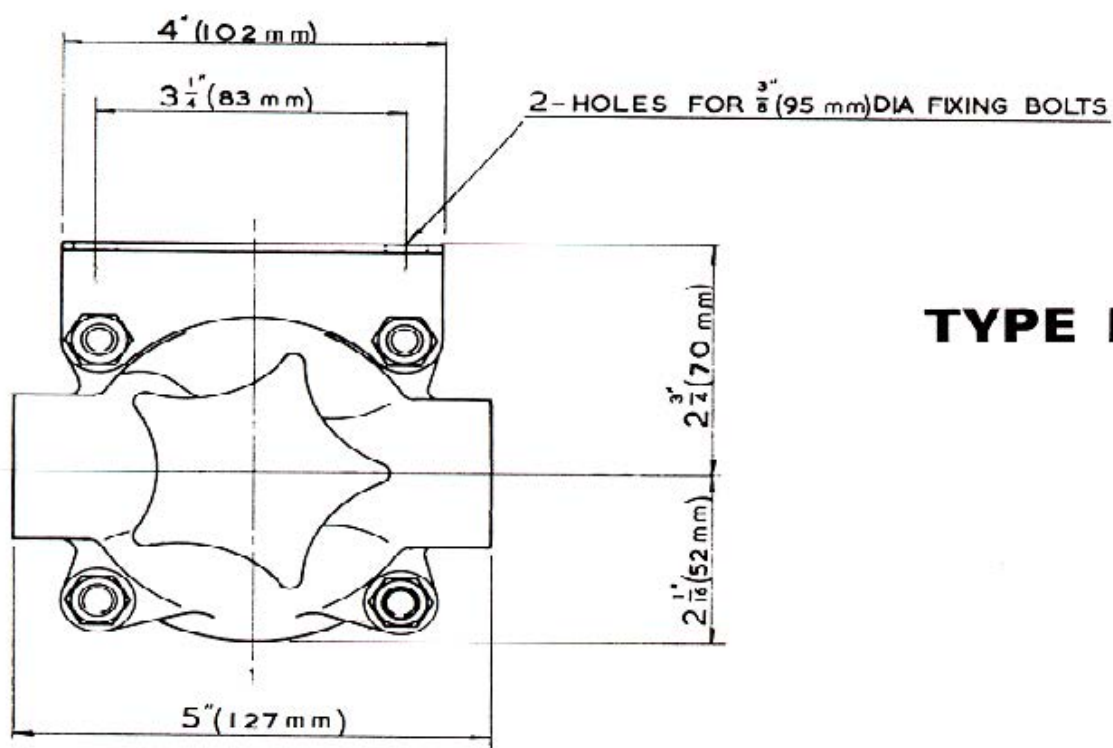
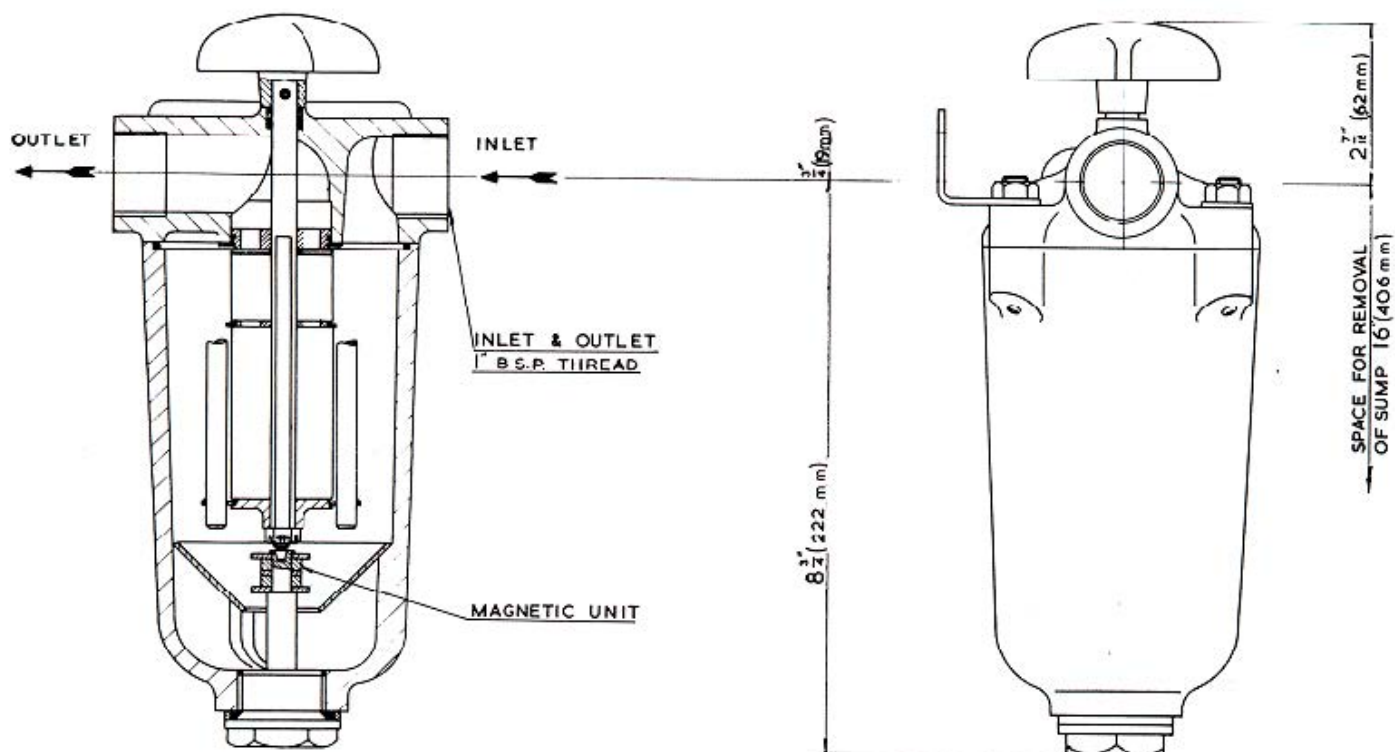
DIMENSIONS See drawing
on page 2

FLOW RATES The flow rates listed below cover only a limited range of applications. Capacities for other liquids and filter meshes will be quoted on request. For discharge filters the capacities are based on a pressure drop of 0.1 to .015 Kg/cm² (1.5 to 2lb/in²) across a clean element.

Maximum flow rate for any conditions **5445 liters (1,200 gallons)** per hour.

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Service	Auto-Klean Mesh		Equivalent Gauze Mesh	Free Area		Capacity					
	mm	in		cm ²	in ²	Gallons Per Hour			Litres Per Hour		
Engine Lubricating Oil Discharge	.025 .038 .076	.001 .0015 .003	250 x 250 200 x 200 150 x 150	7.1 10.3 17.4	1.1 1.6 2.7	Viscosity Seconds Redwood No.1			Viscosity Engler Degrees		
						250			8.1°		
						160 180 370			727 818 1682		
						500	100 0	2000	16.2 °	32 .5°	65°
Machine Tool Lub. Oil Discharge	.038 .076 .127	.0015 .003 .005	200 x 200 150 x 150 100 x 100	10.3 17.4 26.4	1.6 2.7 4.1	115 60 35			523 273 159		
						290 160 85			1318 727 386		
						330 225 125			1500 1023 568		
						60	150		2.1 °	4.9°	
Hydraulic Oil	.025	.001	250 x 250	7.1	1.1	400 240			1820 1090		
						35 to 60			1.3 to 2.1°		
						150			2050		
						500	100 0	2000	16.2 °	32 .5°	65°
Diesel Fuel Oil Gravity Feed 1ft. head	.025	.001	250 x 250	7.1	1.1	500 320 170			2273 1455 773		
						200			6.5°		
						450 580			2050 2640		
						40 Seconds Ford Cup No.4					
Boiler Fuel Oil Suction - 2ft water gauge pressure loss	.508	.020	30 x 30	65.8	10.2	300			1364		
Hot Discharge	.127 .254	.005 .010	100 x 100 60 x 60	26.4 49.7	4.1 7.7						
Spray Paint	.076	.003	150 x 150	17.4	2.7						



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